

Technical Data

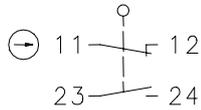
Plastic bodied limit switch

Series I88

Description **I88-U1Z W RAST**

Article number **6186103406**

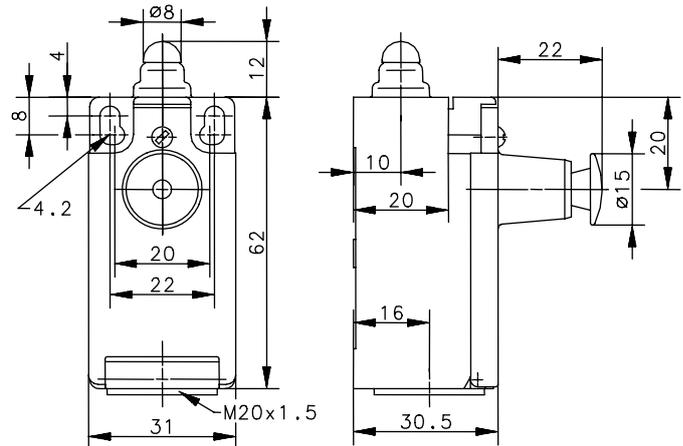
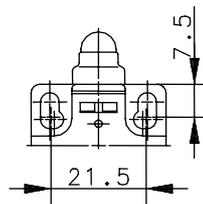
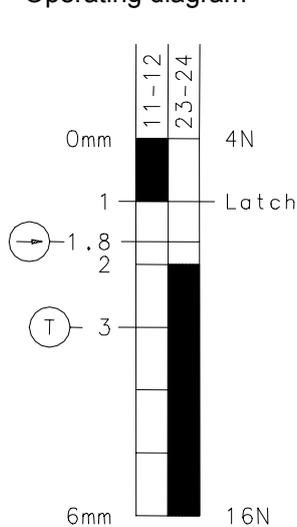
Operating symbol



Fixed positioning for
safety applications

Mounting screw
according to DIN 912 M5

Operating diagram



  Tolerance:
 On Off Operating point $\pm 0,25\text{mm}$;
 Operating force $\pm 10\%$

Electrical data

Rated insulation voltage	U_i	250V AC
Conv. thermal current	I_{the}	10A
Rated operational voltage	U_e	240V
Utilization category		AC-15, U_e/I_e 240V/3A
Positive opening NC contact	\ominus	acc. to IEC/EN 60947-5-1, Annex K
Gap between NC-contacts	$\text{\textcircled{T}}$	DIN EN 81
Short-circuit protective device		Fuse 10A gL/gG
Protection class		II, totally insulated

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Plastic bodied limit switch

Mechanical data

Enclosure	Thermoplastic, glass fibre reinforced (UL 94-V0)
Cover	Thermoplastic, glass fibre reinforced (UL 94-V0)
Actuator	Plunger (thermoplastic)
Ambient air temperature	-30°C ... +80°C
Contact type	1 NC, 1 NO (Zb)
Mechanical life	1 x 10 ⁶ switching cycles
Switching frequency	≤ 60/min
Assembly	2 x M4
Connection	4 screw connections (M3,5)
Conductor cross-sections	Solid: 0.5 ... 1.5mm ² Litz wire with ferrules: 0.5 ... 1.5mm ²
Cable entrance	1 x M20x1,5
Weight	≈ 0,06kg
Installation position	Operator definable
Protection type	IP65 acc. to EN 60529; DIN VDE 0470 T1

Actuation

The push bolt actuator is mainly intended to be actuated along it's axis.
Side actuation will considerably reduce switch life.

Standards	VDE 0660 T100, DIN EN 60947-1, IEC 60947-1 VDE 0660 T200, DIN EN 60947-5-1, IEC 60947-5-1
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EU Conformity	CE
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Approvals	cCSA _{US} A300 (same polarity)
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Notes

The specified protection classification (IP code) applies only when the cover is closed and the appropriate cable is used, in accordance with the clamping range of the above mentioned cable gland.